

Figure 1A

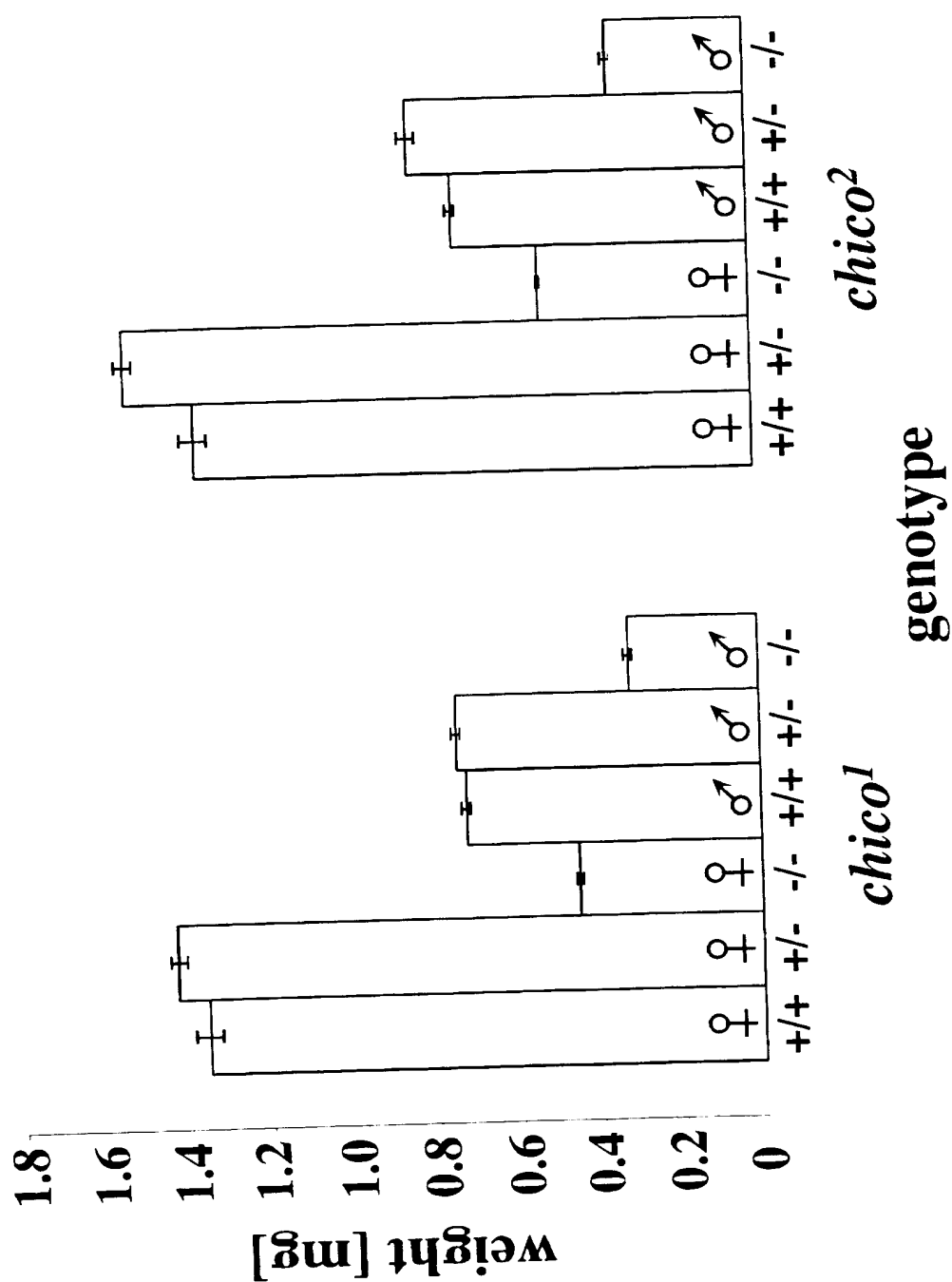


Figure 1B

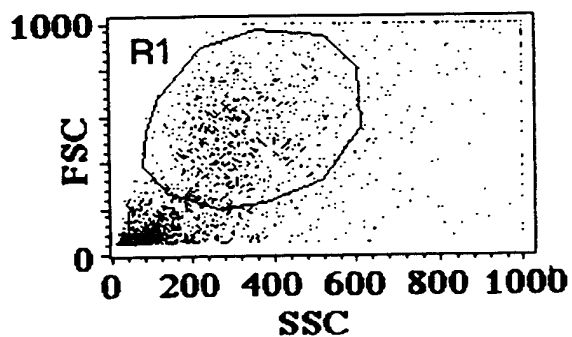


Figure 2A

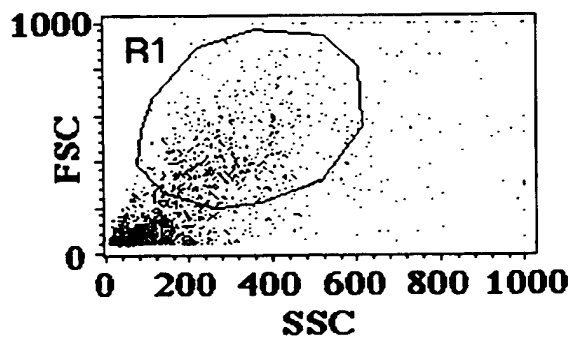


Figure 2B

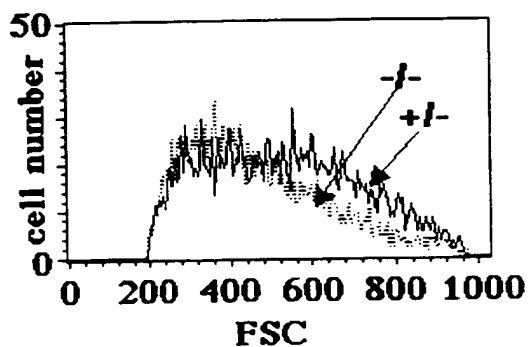


Figure 2C



MASISDDGMALSGYLKLLKTMKKKFFVL YEETSTSAARLEYDYDTEKKFLQRAEPKRVIYLKNCFN
INRRLDTKHREVIIVLSSRDGGFGIVLENENDLRKWLDKLLVLQORNIANSTAHSPYDHWVQVVI
QKKGISEKVGITGTYHCCLTSKSLTFVCIGPEKTPNGEDRVASIEILLTTRRCGHASPCQIFYV
ELGRQSVLGSGDLWMTDAAIAATNMHNTILSAMSAKTESNTNLINVYQNRPDLSHEPMKRSS
ANEASKPINVNVIQNSQNSLELRSCSSPHNYGFRERCDSLPTRNGTLESSNQTYFGSNHGLRS
NTISGIRPHSTNKHNSPTFTMPLRCSESEESSISVDESDDNGSFSHYRLNTRSETAIPENID
DFASAELEFSKVTEQNVSDENYIPMNPVNPTDAIHEKEKADMQRLEDA SLHFNFP EHA SEK LAKDF
DLSDNQCCRP IRAYSIGNKVEHLKFNKRGLHLNDTGQNPNRVRAYSVGSKSKIPRCDLQRVVLV
EDNKHEFTANRSQSSITKEGTSYGSSANRQKKSAPLLSLKNQINSDRMSDLMEIDFSQATNLE
KQFIKNNEIPKYIENVFPKAPRTDSSSLTLHATSQKDI FNGTKLNNTAITSEDCGYLEMKPVGNG
YTPSSNCLPMKVERLKLSDYQTAPPI TATAAPVHDLNKISTYNI SAEKWREQPSRSEEEKKSNSPL
NDNTFGLKPTNVESTSKSHDVHSANQIDSEKVCAQSSDKLNNLADKIVENNNLDIGGHEEKKLVH
SISSEDTQIKDKSNDFTKFNEAGYKILQIKSDSSLISSKLYQKGIHKDNLERSQRLTESVNTIP
DNATATAVSSSLTKFNINSAPAAAADSRSTGTDPTQONILQIKDLNFPSSSSRISQPELHY
ASLDLPHCSGQNPAYLKRGSRSPVVSACPEDGNTYAKIDFDQSDSSSSSSNI FNTZ

Figure 3B

CHICOPH	1MALSGYLLKKLKT..MKKKFFVL.....YEETSTSAARLEY	Y
IRS1PH	1	MASPPD TDGFS D VRKV GYLRKP KS..MHKKFFVLRA.....ASEAGG...PARLEY	Y
IRS2PH	1SRRKCGYLRKQKS..GHKKFFVLRGPGTGGEASAAGSPPOPPRLEY	Y
IRS3PH	1DVRKCGYLRKQKSQFTRRRFFVLRA.....DPPRLEY	Y
IRS4PH	1EVCKRGYLRKQKH..GHRRFFVLKL.....ETADAPARLEY	Y
consensus		VRKGYLRKQKtHKRFFVLr	
CHICOPH	35	DEKKFLQRA.....DSKRVIYLNKNCFNINRRRLDTKHFFVIVLS..	S
IRS1PH	48	ENEKKW...RHKSSA.....PKRSIPLSCFNINKRADSKNKHLVAL..	L
IRS2PH	48	ESEKKW...RSKAGA.....PKRVIALLDCCLNINKRADAKHKYLIALL..	L
IRS3PH	34	ESEKKFLASGCRPPR.....PRRTVSLEGACTISKRADARQRHLIVIFT	T
IRS4PH	36	ENARKFRHSVRRAAFAAASGAAIPPLIPPRRVTLLYQCFVSQRADARYRHLLIAL..	L
consensus		eekkiPKRVILeCfininKadakrhlial	
CHICOPH	74	SRGGGFGIVLENEENDLRKWLDKLLVL...	L
IRS1PH	87	YTRDEHFAIAADSEAEQDSWYQALLQLHNR	R
IRS2PH	87	YTKDEYFAVAANEQEQEGWYRALTDL...	L
IRS3PH	78	YTSDSLGVAAASEAEQQTWYSALLEV...	V
IRS4PH	94	FTQDEYFAMVAENESEQESWYLLLSRL...	L
consensus		ytdeiaaeneeqwyall	
CHICOPH	1	DHVN...QVVIQKKGISEKVGI..TGTTHCCLTSKSLTFVCI GPPEKTPNG...QDPVASIEI	I
IRS1PH	1	FXEVW...QVILKPKGLGQTKNL..IGIYRLCLTSKTSISFVKLNSEAAA...VVL	L
IRS2PH	1	YREVW...QVNLKPKGLGQSKNL..TGVYRLCLTSARTIGFVKLNCEQPS...VTL	L
IRS3PH	1	FQDVWF...QVNLKPKGLGQSKNL..TGVYRLCLTSARTIGFVKLNCEQPS...VTL	L
IRS4PH	1	YKDVW...QVILKPKGLGQSKNL..TGVYRLCLTSARTIGFVKLNCEQPS...VTL	L
consensus		VWQVILKPKGLGQSKNL..TGVYRLCLTSARTIGFVKLNCEQPS...VTL	
CHICOPH	53	LLTTIRRCGHASPCIFVVELGRQSVLGSGLDMMETDNAAIA TNMHNNTILSAM...	M
IRS1PH	48	QLMNIIRRCGHS...ENFFFI EVGRSAVTGPGEFMMQVDDSVVAQNHHETILEAMRRL	R
IRS2PH	48	QLMNIIRRCGHS...OSFFFI EVGRSAVTGPGEFMMQVDDSVVAQNHHETILEAMRRL	R
IRS3PH	61	SLLSVRRRCGHA...DSFFFI EVGRSAVTGPGEFMMQVDDSVVAQNHHETILEAMRRL	R
IRS4PH	48	QLLSIRRCGHS...EQYFFFI EVGRSAVTGPGEFMMQVDDSVVAQNHHETILEAMRRL	R
consensus		qllIRRCGHSfFI EVGRSAVTGPGEFMMQVDDSVVAQNHHETILEAMRRL	

Figure 3C

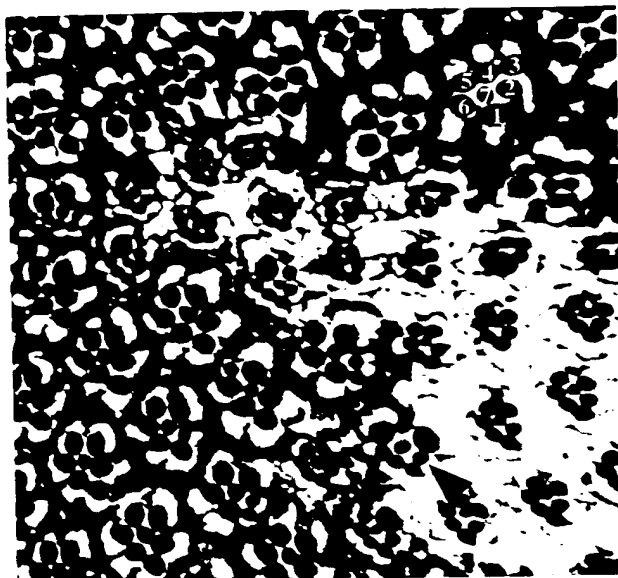


Figure 4A



Figure 4B



Figure 4C

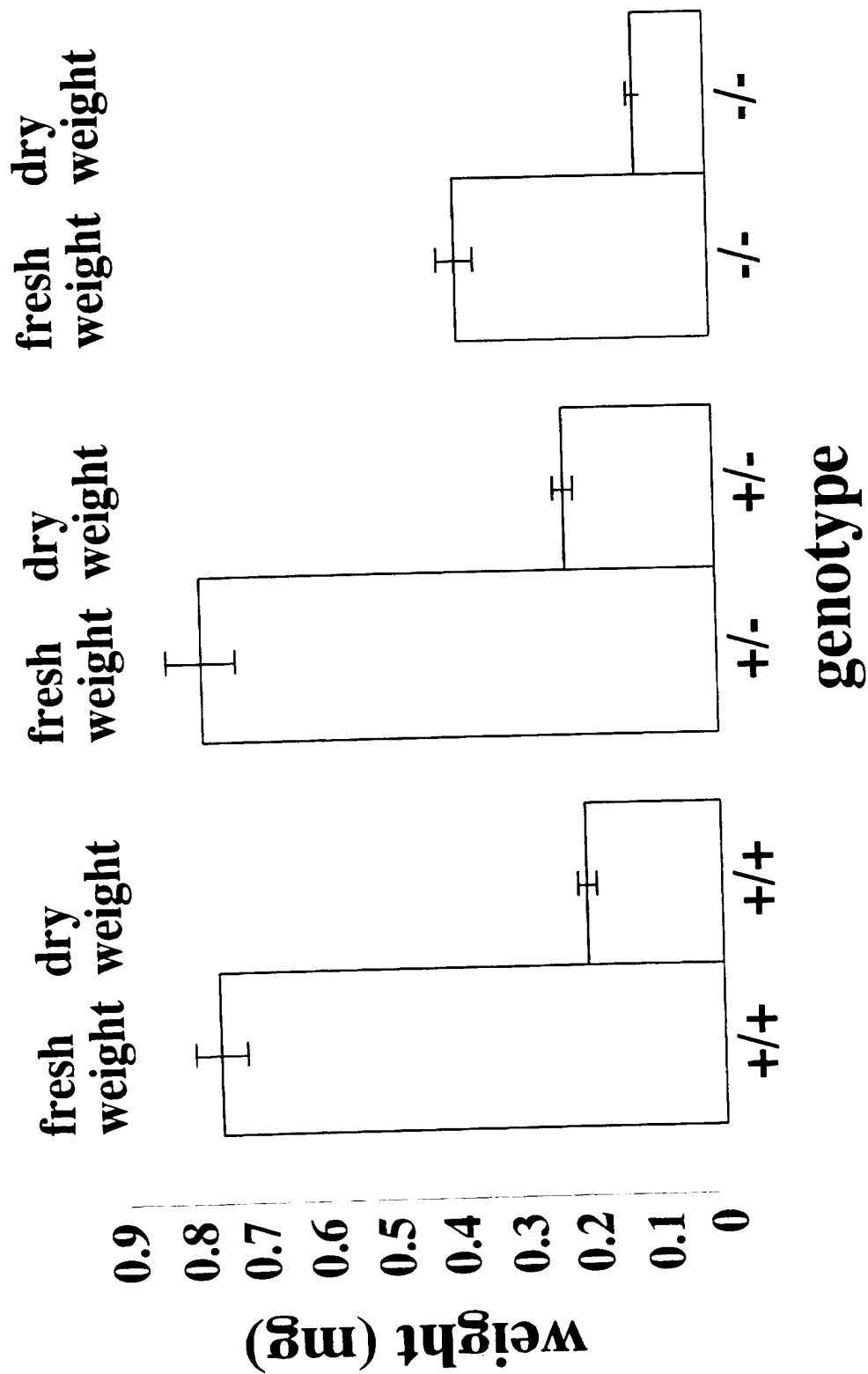


Figure 5A

